

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071718\  
 Data File : PL038177.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Jul 2018 16:45  
 Operator : AJ\SJ  
 Sample : J4016-05MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :

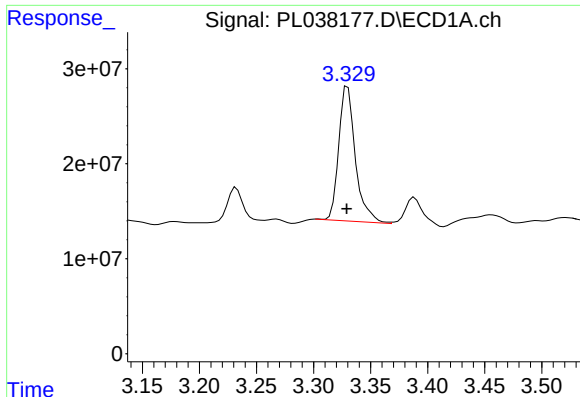
Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 18 04:28:34 2018  
 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL071318.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jul 14 00:12:12 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml      |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|------------|
| -----                       |                 |       |       |          |          |         |            |
| System Monitoring Compounds |                 |       |       |          |          |         |            |
| 1)                          | SA Tetrachlo... | 3.330 | 3.930 | 144.1E6  | 52451633 | 19.348  | 19.982     |
| 28)                         | SA Decachlor... | 8.003 | 8.940 | 117.1E6  | 40421613 | 15.434  | 16.536     |
| Target Compounds            |                 |       |       |          |          |         |            |
| 2)                          | A alpha-BHC     | 3.760 | 4.310 | 526.7E6  | 209.2E6  | 44.577  | 54.058     |
| 3)                          | MA gamma-BHC... | 4.036 | 4.590 | 475.7E6  | 203.1E6  | 45.378  | 56.227     |
| 4)                          | MA Heptachlor   | 4.320 | 5.100 | 457.9E6  | 159.7E6  | 43.048  | 49.978     |
| 5)                          | MB Aldrin       | 4.559 | 5.403 | 476.0E6  | 150.3E6  | 45.478  | 48.706     |
| 6)                          | B beta-BHC      | 4.290 | 4.752 | 234.6E6  | 44230472 | 49.689  | 29.159 #   |
| 7)                          | B delta-BHC     | 4.484 | 4.966 | 464.3E6  | 153.0E6  | 42.777  | 46.128     |
| 8)                          | B Heptachlo...  | 4.996 | 5.783 | 419.0E6  | 134.3E6  | 44.437  | 47.240     |
| 9)                          | A Endosulfan I  | 5.328 | 6.135 | 196.1E6  | 151.6E6  | 22.669  | 58.962 #   |
| 10)                         | B gamma-Chl...  | 5.219 | 6.015 | 425.7E6  | 108.2E6  | 43.073  | 37.314     |
| 11)                         | B alpha-Chl...  | 5.275 | 6.088 | 411.2E6  | 125.3E6  | 43.441  | 43.712     |
| 12)                         | B 4,4'-DDE      | 5.443 | 6.244 | 341.8E6  | 88315303 | 35.651  | 33.026     |
| 13)                         | MA Dieldrin     | 5.567 | 6.389 | 509.4E6  | 130.6E6  | 53.007  | 47.995     |
| 14)                         | MA Endrin       | 5.821 | 6.603 | 380.3E6  | 103.0E6  | 43.772  | 43.147     |
| 15)                         | B Endosulfa...  | 6.096 | 6.806 | 374.2E6  | 105.3E6  | 47.193  | 43.846     |
| 16)                         | A 4,4'-DDD      | 5.956 | 6.726 | 304.4E6  | 96590218 | 41.496  | 45.127     |
| 17)                         | MA 4,4'-DDT     | 6.190 | 7.025 | 263.2E6  | 84770592 | 35.435  | 39.760     |
| 18)                         | B Endrin al...  | 6.264 | 6.929 | 261.7E6  | 88756385 | 41.095  | 45.484     |
| 19)                         | B Endosulfa...  | 6.474 | 7.152 | 307.5E6  | 97711210 | 40.710  | 44.826     |
| 20)                         | A Methoxychlor  | 6.738 | 7.481 | 109.5E6  | 38924179 | 28.471  | 34.184     |
| 21)                         | B Endrin ke...  | 6.958 | 7.616 | 301.5E6  | 98364012 | 38.429  | 41.268     |
| 23)                         | Chlordane-1     | 4.182 | 4.966 | 30917376 | 153.0E6  | 89.292  | 1320.170 # |
| 24)                         | Chlordane-2     | 4.649 | 5.403 | 4030671  | 150.3E6  | 10.890  | 1255.254 # |
| 25)                         | Chlordane-3     | 5.219 | 6.015 | 425.7E6  | 108.2E6  | 365.958 | 265.219 #  |
| 26)                         | Chlordane-4     | 5.275 | 6.088 | 411.2E6  | 125.3E6  | 391.107 | 255.010 #  |
| 27)                         | Chlordane-5     | 5.918 | 6.929 | 2986333  | 88756385 | 18.649  | 990.811 #  |
| -----                       |                 |       |       |          |          |         |            |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

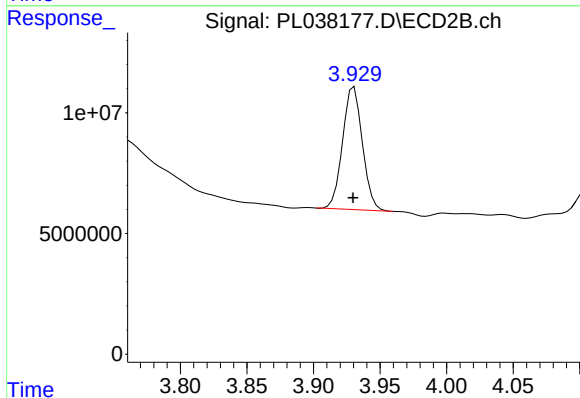




#1 Tetrachloro-m-xylene

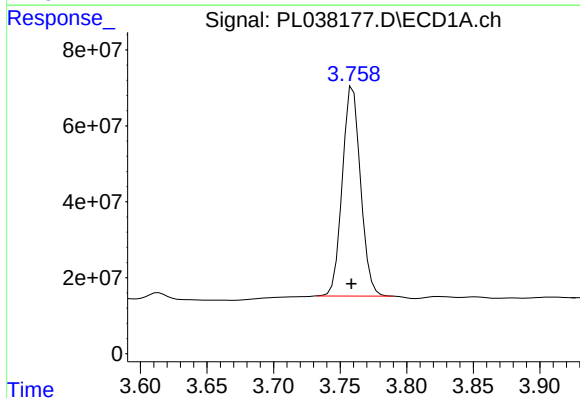
R.T.: 3.330 min  
Delta R.T.: 0.000 min  
Response: 144076868  
Conc: 19.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



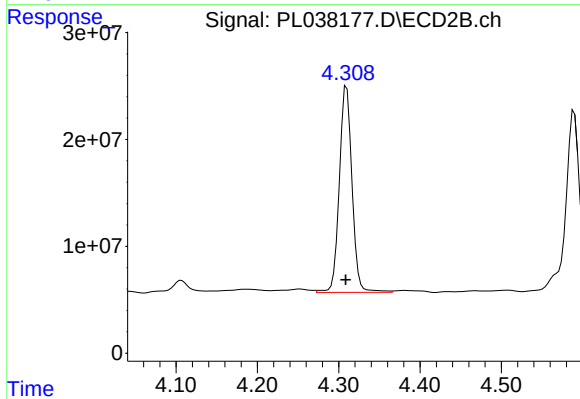
#1 Tetrachloro-m-xylene

R.T.: 3.930 min  
Delta R.T.: 0.000 min  
Response: 52451633  
Conc: 19.98 ng/ml



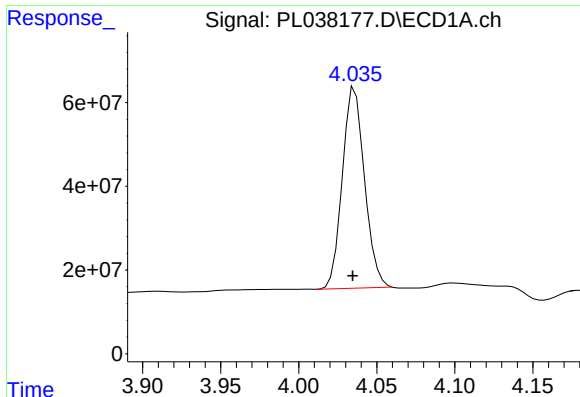
#2 alpha-BHC

R.T.: 3.760 min  
Delta R.T.: 0.001 min  
Response: 526693728  
Conc: 44.58 ng/ml



#2 alpha-BHC

R.T.: 4.310 min  
Delta R.T.: 0.001 min  
Response: 209212481  
Conc: 54.06 ng/ml



#3 gamma-BHC (Lindane)

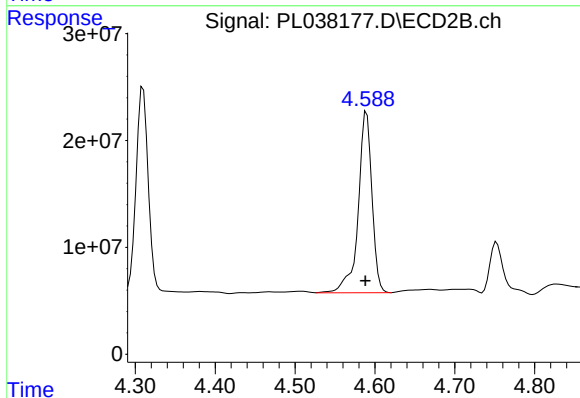
R.T.: 4.036 min

Delta R.T.: 0.002 min

Response: 475729327

Conc: 45.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



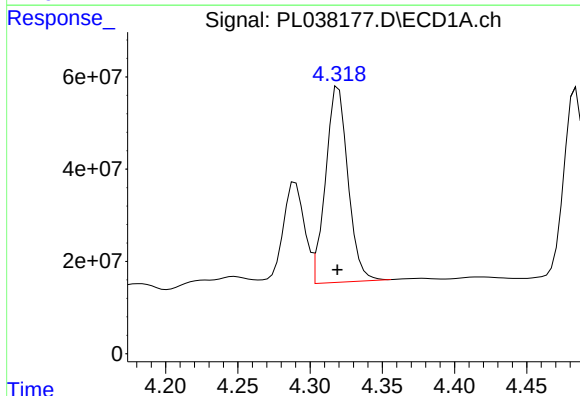
#3 gamma-BHC (Lindane)

R.T.: 4.590 min

Delta R.T.: 0.001 min

Response: 203078748

Conc: 56.23 ng/ml



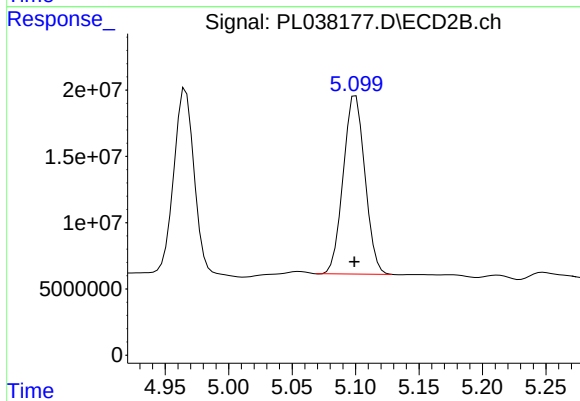
#4 Heptachlor

R.T.: 4.320 min

Delta R.T.: 0.000 min

Response: 457920882

Conc: 43.05 ng/ml



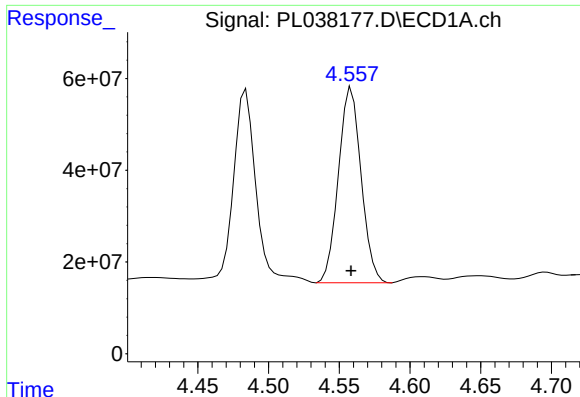
#4 Heptachlor

R.T.: 5.100 min

Delta R.T.: 0.001 min

Response: 159739914

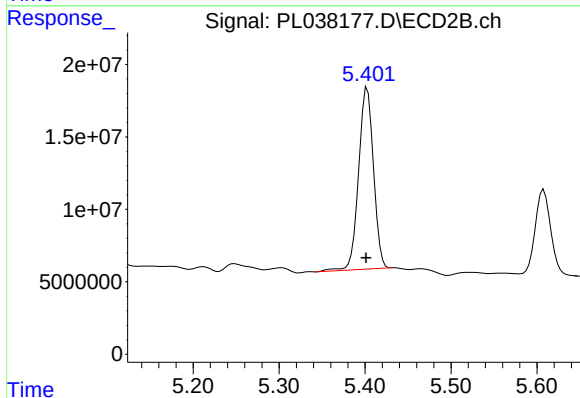
Conc: 49.98 ng/ml



#5 Aldrin

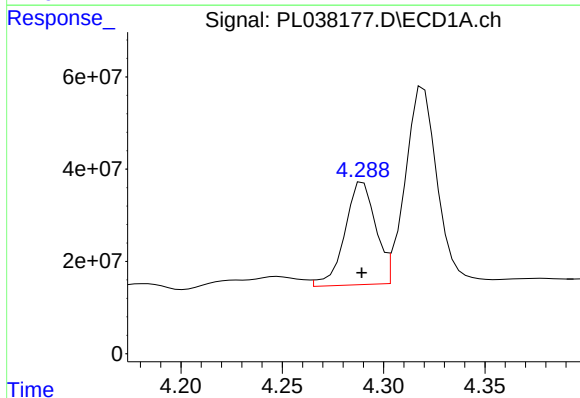
R.T.: 4.559 min  
Delta R.T.: 0.000 min  
Response: 476029474  
Conc: 45.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



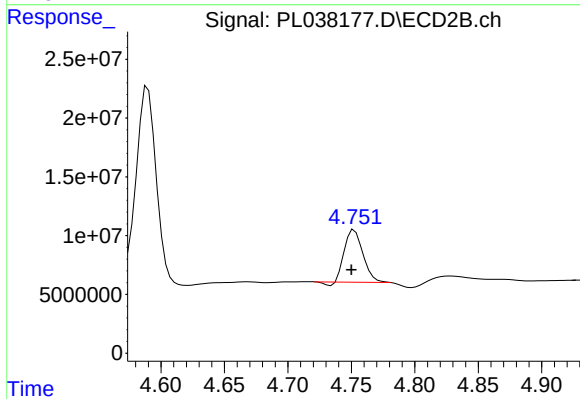
#5 Aldrin

R.T.: 5.403 min  
Delta R.T.: 0.001 min  
Response: 150316861  
Conc: 48.71 ng/ml



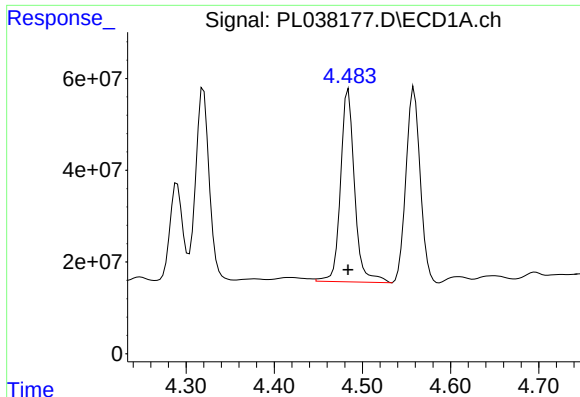
#6 beta-BHC

R.T.: 4.290 min  
Delta R.T.: 0.000 min  
Response: 234551356  
Conc: 49.69 ng/ml



#6 beta-BHC

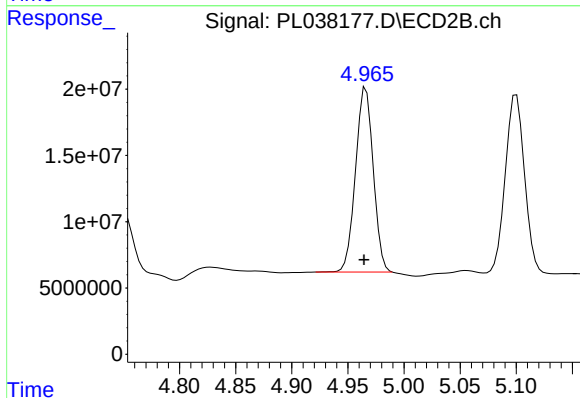
R.T.: 4.752 min  
Delta R.T.: 0.002 min  
Response: 44230472  
Conc: 29.16 ng/ml



#7 delta-BHC

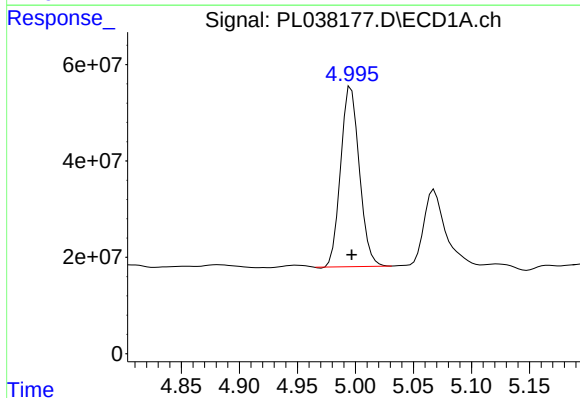
R.T.: 4.484 min  
Delta R.T.: 0.000 min  
Response: 464311322  
Conc: 42.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



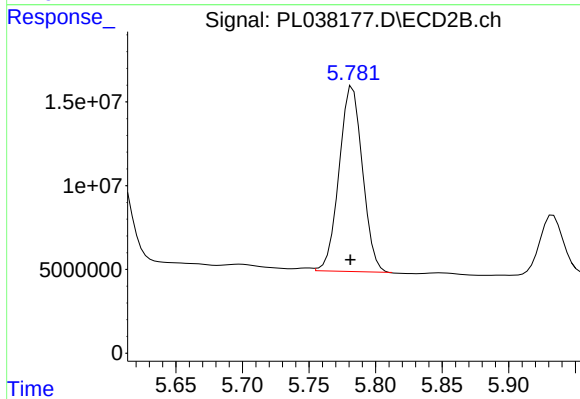
#7 delta-BHC

R.T.: 4.966 min  
Delta R.T.: 0.002 min  
Response: 152987818  
Conc: 46.13 ng/ml



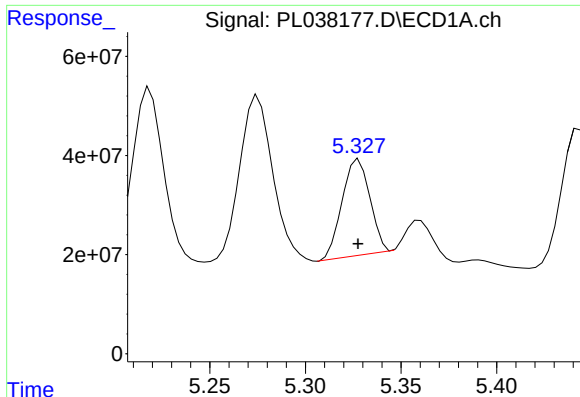
#8 Heptachlor epoxide

R.T.: 4.996 min  
Delta R.T.: 0.000 min  
Response: 418974732  
Conc: 44.44 ng/ml



#8 Heptachlor epoxide

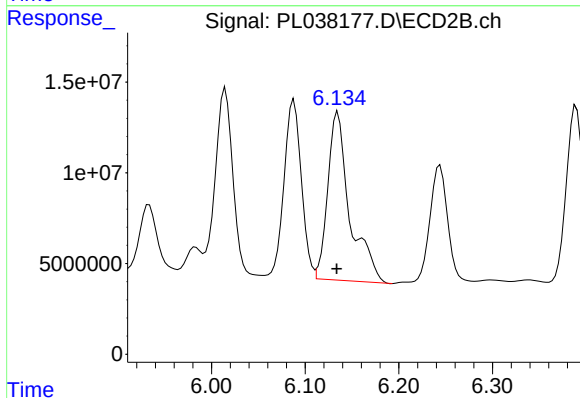
R.T.: 5.783 min  
Delta R.T.: 0.001 min  
Response: 134251814  
Conc: 47.24 ng/ml



#9 Endosulfan I

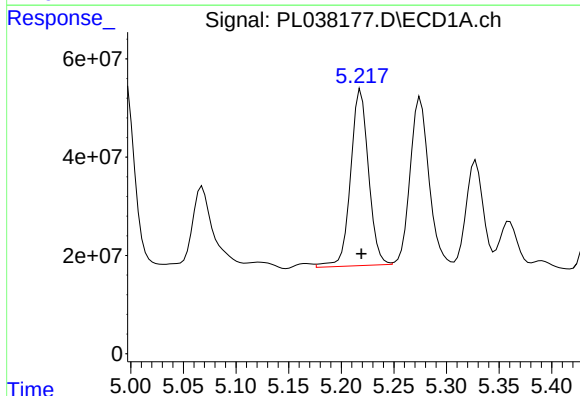
R.T.: 5.328 min  
Delta R.T.: 0.000 min  
Response: 196075496  
Conc: 22.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



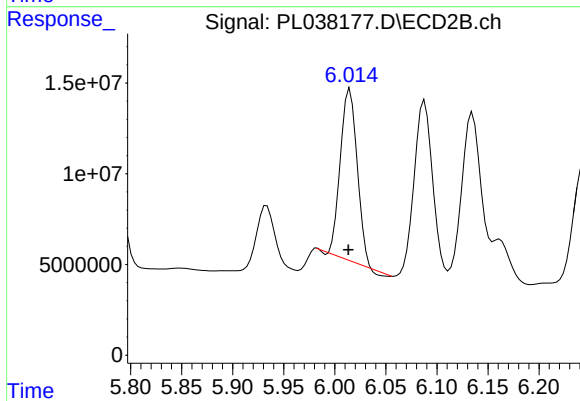
#9 Endosulfan I

R.T.: 6.135 min  
Delta R.T.: 0.001 min  
Response: 151638337  
Conc: 58.96 ng/ml



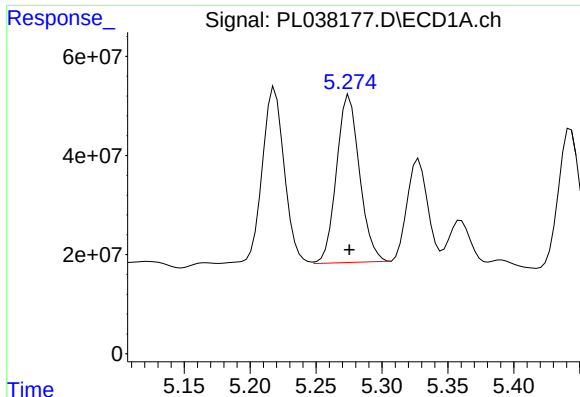
#10 gamma-Chlordane

R.T.: 5.219 min  
Delta R.T.: 0.000 min  
Response: 425730807  
Conc: 43.07 ng/ml



#10 gamma-Chlordane

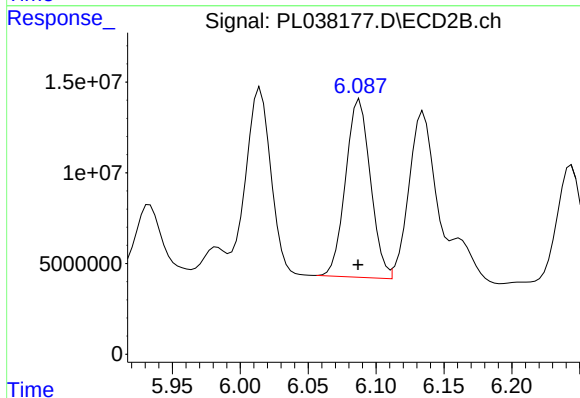
R.T.: 6.015 min  
Delta R.T.: 0.002 min  
Response: 108182720  
Conc: 37.31 ng/ml



#11 alpha-Chlordane

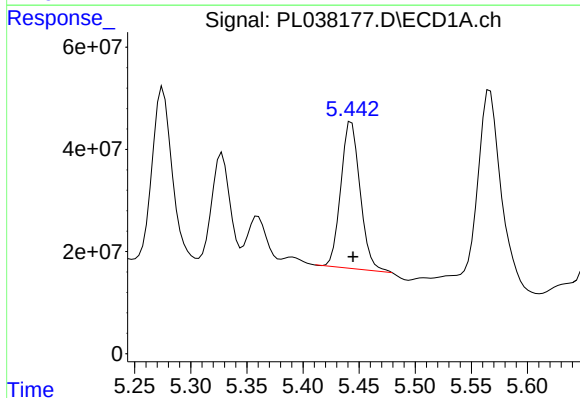
R.T.: 5.275 min  
Delta R.T.: 0.000 min  
Response: 411202978  
Conc: 43.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



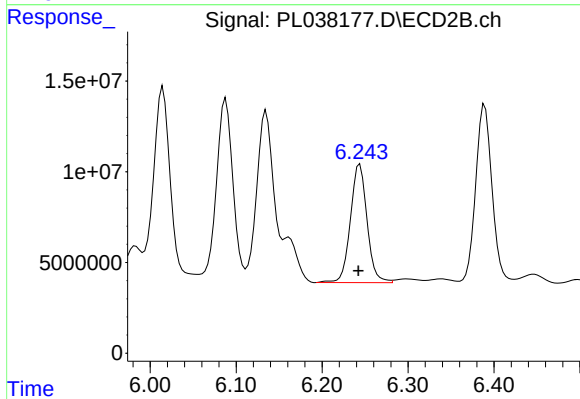
#11 alpha-Chlordane

R.T.: 6.088 min  
Delta R.T.: 0.001 min  
Response: 125289763  
Conc: 43.71 ng/ml



#12 4,4'-DDE

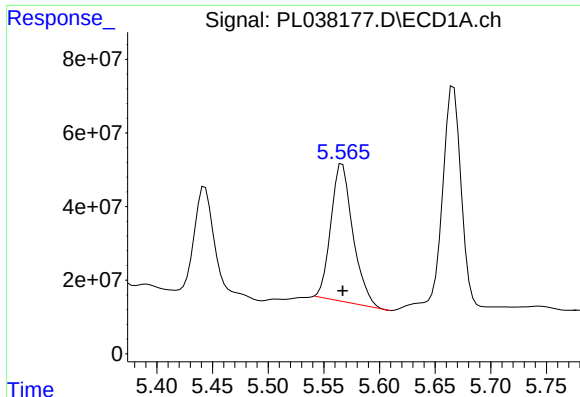
R.T.: 5.443 min  
Delta R.T.: -0.001 min  
Response: 341820573  
Conc: 35.65 ng/ml



#12 4,4'-DDE

R.T.: 6.244 min  
Delta R.T.: 0.002 min  
Response: 88315303  
Conc: 33.03 ng/ml

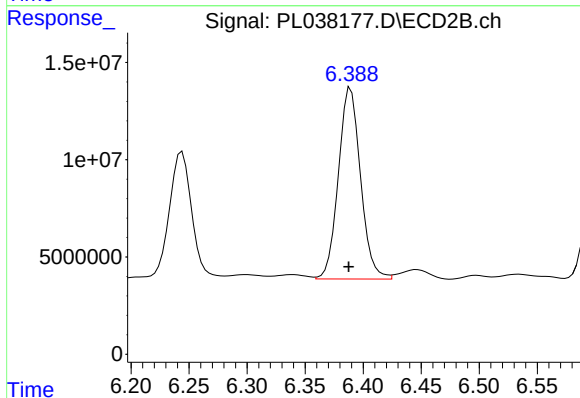




#13 Dieldrin

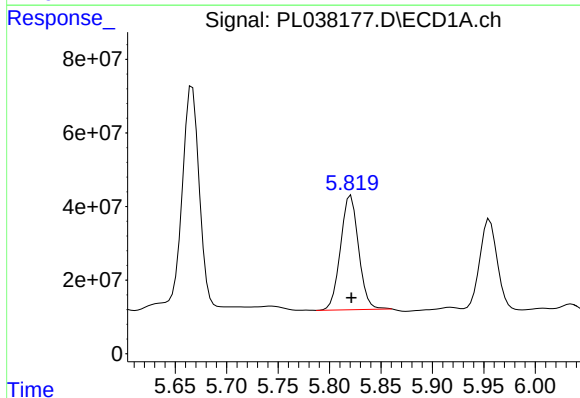
R.T.: 5.567 min  
Delta R.T.: 0.000 min  
Response: 509409463  
Conc: 53.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



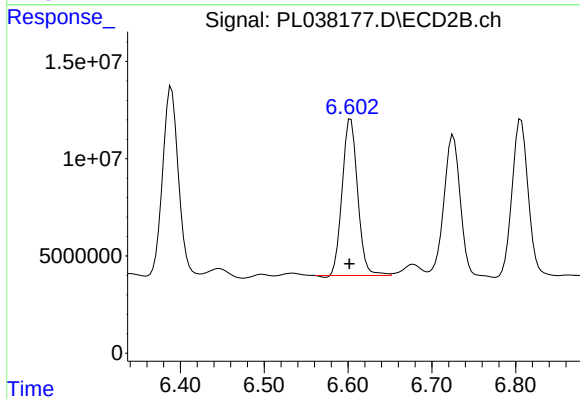
#13 Dieldrin

R.T.: 6.389 min  
Delta R.T.: 0.002 min  
Response: 130630802  
Conc: 47.99 ng/ml



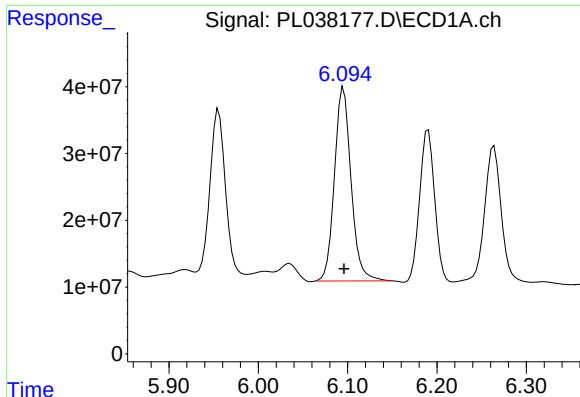
#14 Endrin

R.T.: 5.821 min  
Delta R.T.: 0.000 min  
Response: 380306657  
Conc: 43.77 ng/ml



#14 Endrin

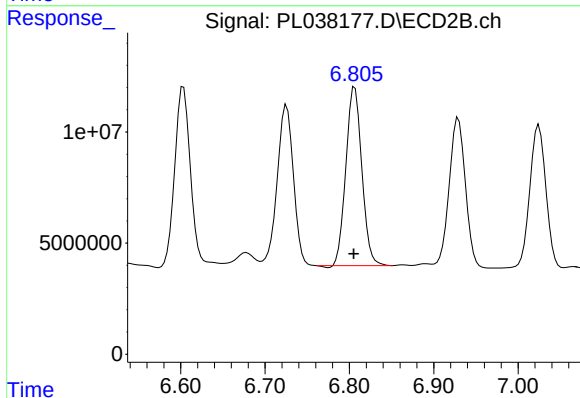
R.T.: 6.603 min  
Delta R.T.: 0.001 min  
Response: 103041095  
Conc: 43.15 ng/ml



#15 Endosulfan II

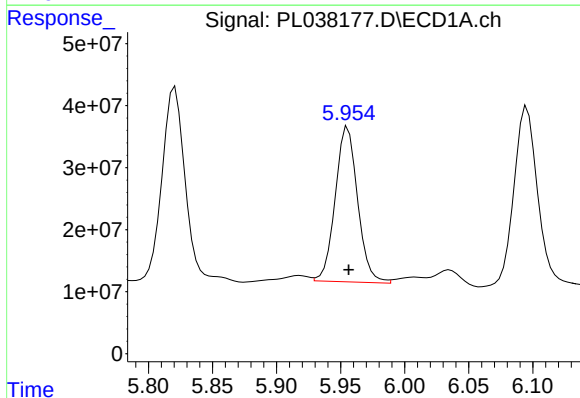
R.T.: 6.096 min  
Delta R.T.: 0.000 min  
Response: 374247131  
Conc: 47.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



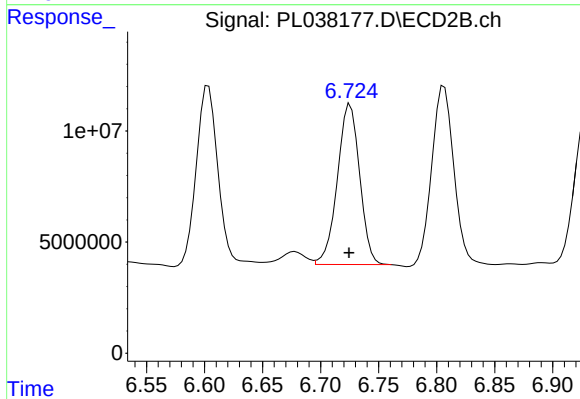
#15 Endosulfan II

R.T.: 6.806 min  
Delta R.T.: 0.001 min  
Response: 105291987  
Conc: 43.85 ng/ml



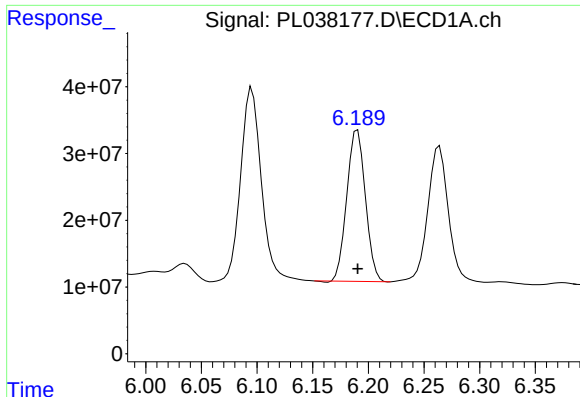
#16 4,4'-DDD

R.T.: 5.956 min  
Delta R.T.: 0.000 min  
Response: 304399895  
Conc: 41.50 ng/ml



#16 4,4'-DDD

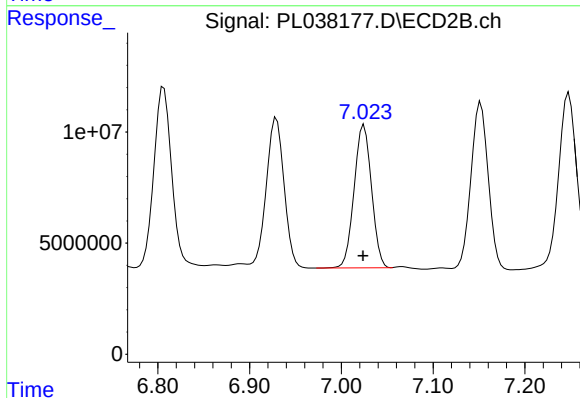
R.T.: 6.726 min  
Delta R.T.: 0.001 min  
Response: 96590218  
Conc: 45.13 ng/ml



#17 4,4'-DDT

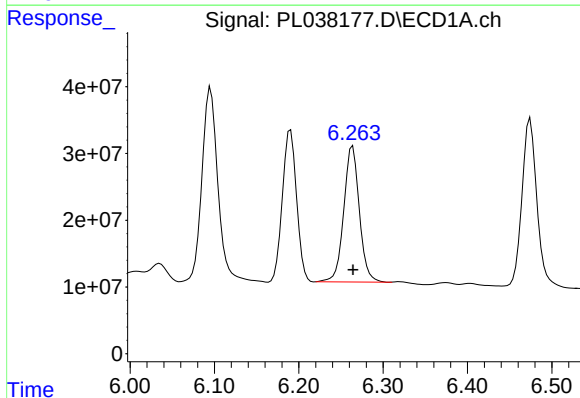
R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 263232266  
Conc: 35.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



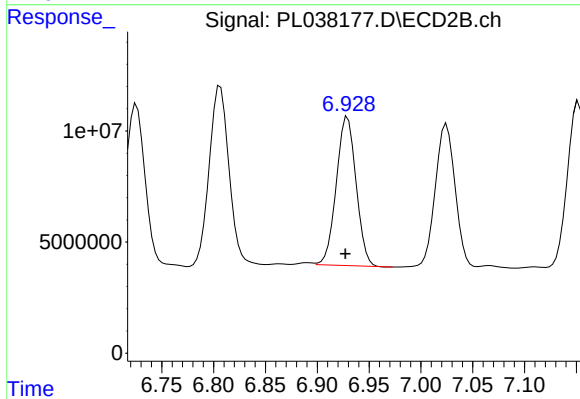
#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: 0.001 min  
Response: 84770592  
Conc: 39.76 ng/ml



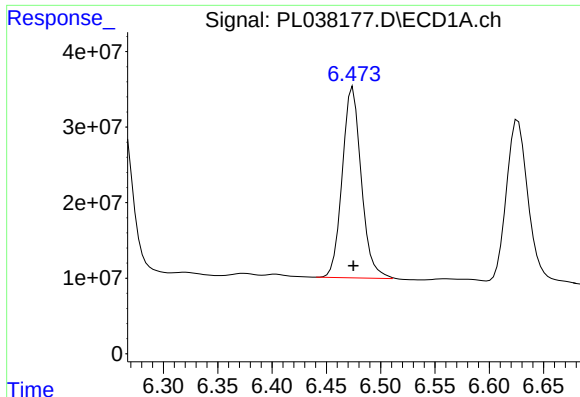
#18 Endrin aldehyde

R.T.: 6.264 min  
Delta R.T.: 0.000 min  
Response: 261678484  
Conc: 41.10 ng/ml



#18 Endrin aldehyde

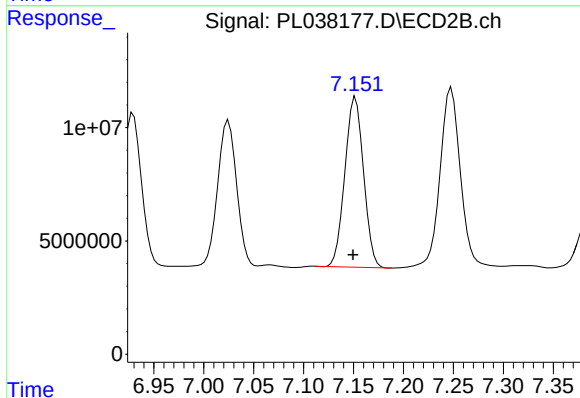
R.T.: 6.929 min  
Delta R.T.: 0.002 min  
Response: 88756385  
Conc: 45.48 ng/ml



#19 Endosulfan Sulfate

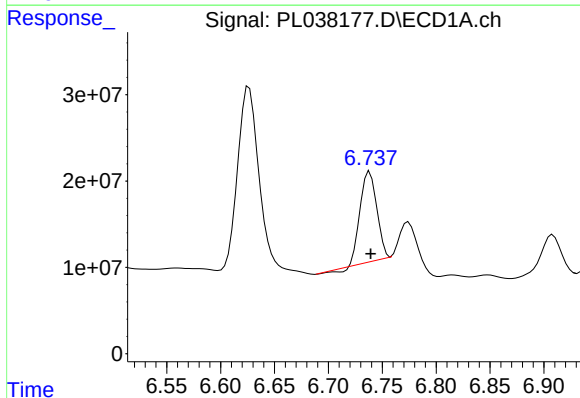
R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 307492212  
Conc: 40.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



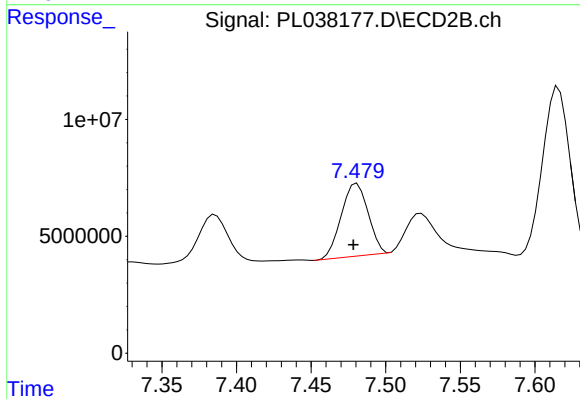
#19 Endosulfan Sulfate

R.T.: 7.152 min  
Delta R.T.: 0.003 min  
Response: 97711210  
Conc: 44.83 ng/ml



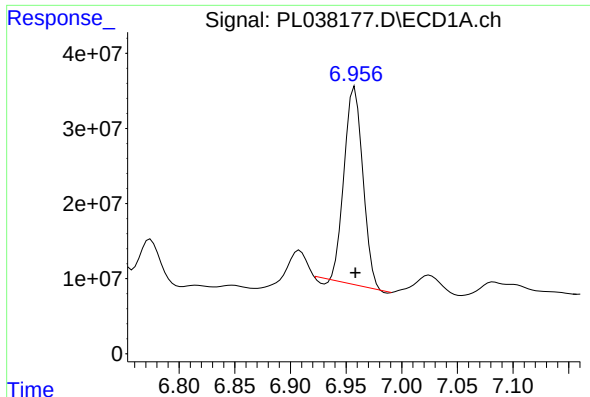
#20 Methoxychlor

R.T.: 6.738 min  
Delta R.T.: 0.000 min  
Response: 109542579  
Conc: 28.47 ng/ml



#20 Methoxychlor

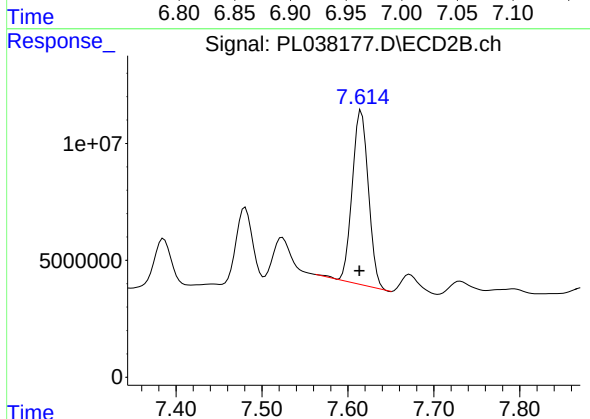
R.T.: 7.481 min  
Delta R.T.: 0.002 min  
Response: 38924179  
Conc: 34.18 ng/ml



#21 Endrin ketone

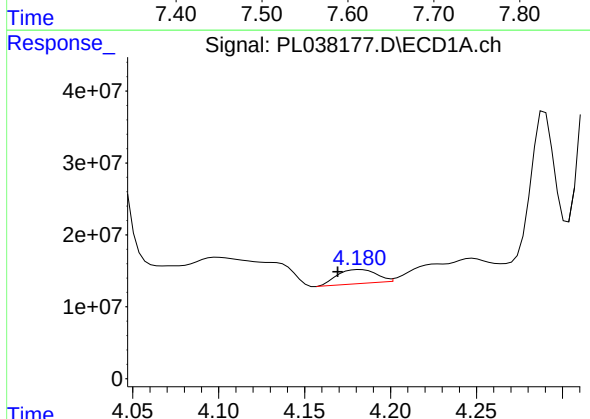
R.T.: 6.958 min  
Delta R.T.: 0.000 min  
Response: 301508970  
Conc: 38.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



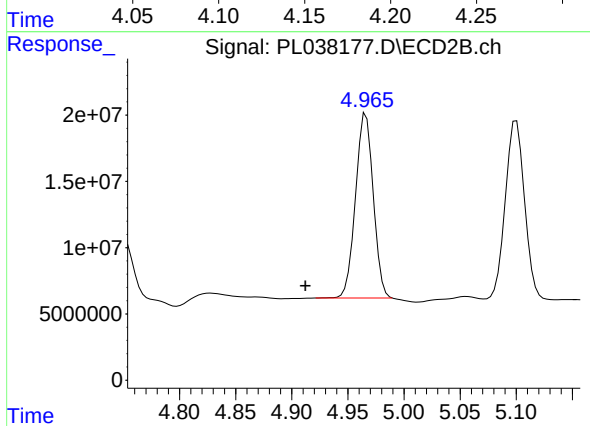
#21 Endrin ketone

R.T.: 7.616 min  
Delta R.T.: 0.002 min  
Response: 98364012  
Conc: 41.27 ng/ml



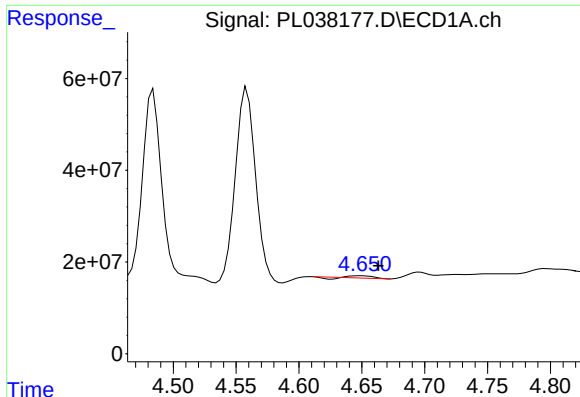
#23 Chlordane-1

R.T.: 4.182 min  
Delta R.T.: 0.013 min  
Response: 30917376  
Conc: 89.29 ng/ml



#23 Chlordane-1

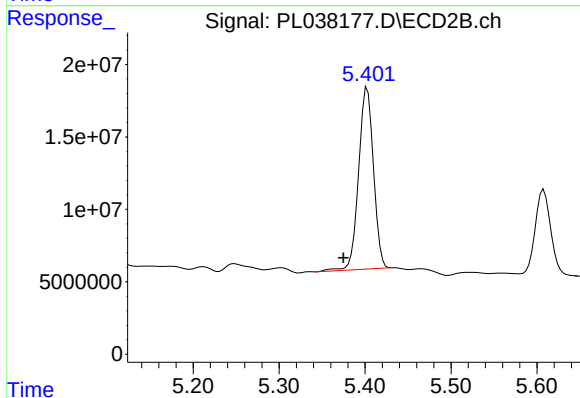
R.T.: 4.966 min  
Delta R.T.: 0.054 min  
Response: 152987818  
Conc: 1320.17 ng/ml



#24 Chlordane-2

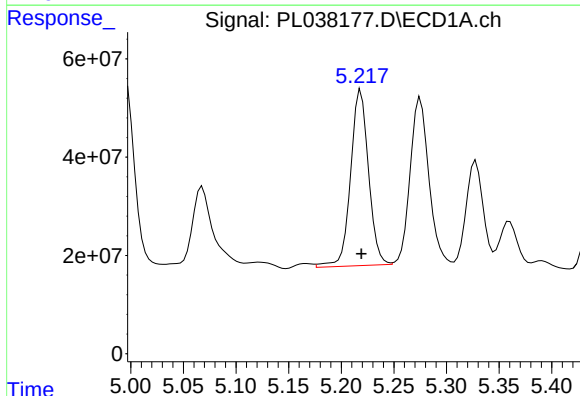
R.T.: 4.649 min  
Delta R.T.: -0.014 min  
Response: 4030671  
Conc: 10.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



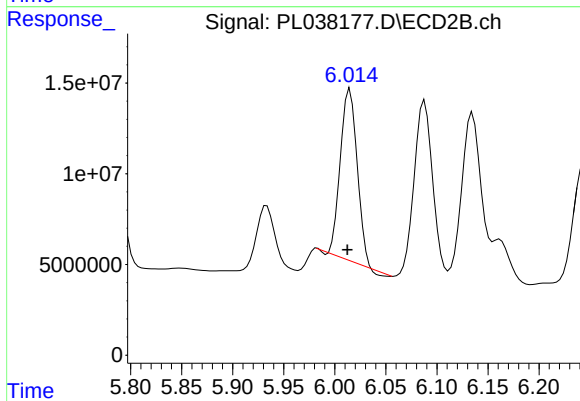
#24 Chlordane-2

R.T.: 5.403 min  
Delta R.T.: 0.028 min  
Response: 150316861  
Conc: 1255.25 ng/ml



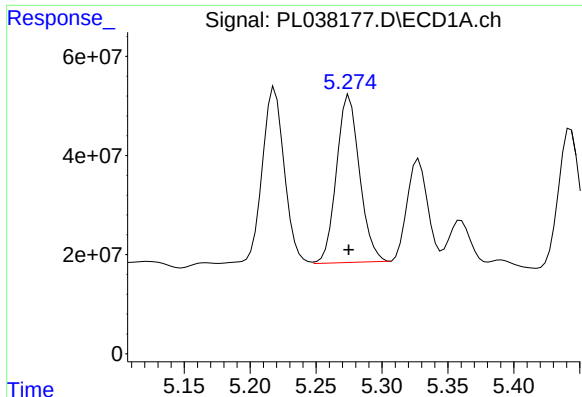
#25 Chlordane-3

R.T.: 5.219 min  
Delta R.T.: 0.000 min  
Response: 425730807  
Conc: 365.96 ng/ml



#25 Chlordane-3

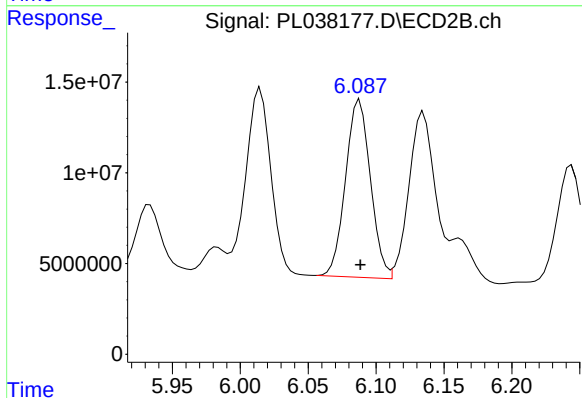
R.T.: 6.015 min  
Delta R.T.: 0.003 min  
Response: 108182720  
Conc: 265.22 ng/ml



#26 Chlordane-4

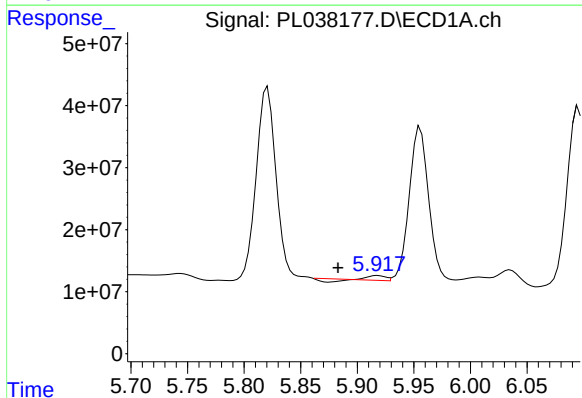
R.T.: 5.275 min  
Delta R.T.: 0.000 min  
Response: 411202978  
Conc: 391.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



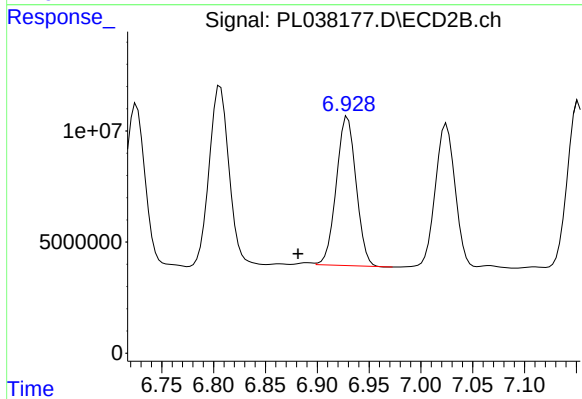
#26 Chlordane-4

R.T.: 6.088 min  
Delta R.T.: 0.000 min  
Response: 125289763  
Conc: 255.01 ng/ml



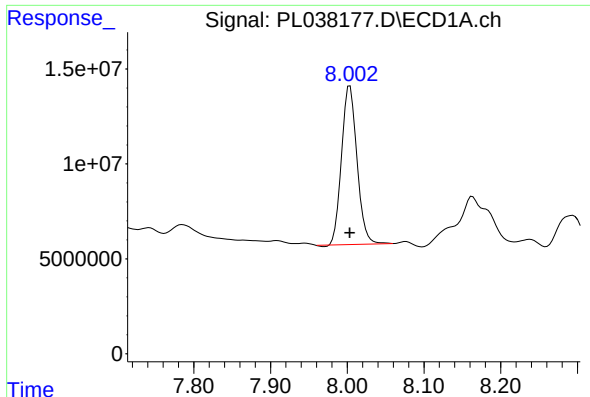
#27 Chlordane-5

R.T.: 5.918 min  
Delta R.T.: 0.035 min  
Response: 2986333  
Conc: 18.65 ng/ml



#27 Chlordane-5

R.T.: 6.929 min  
Delta R.T.: 0.048 min  
Response: 88756385  
Conc: 990.81 ng/ml



#28 Decachlorobiphenyl

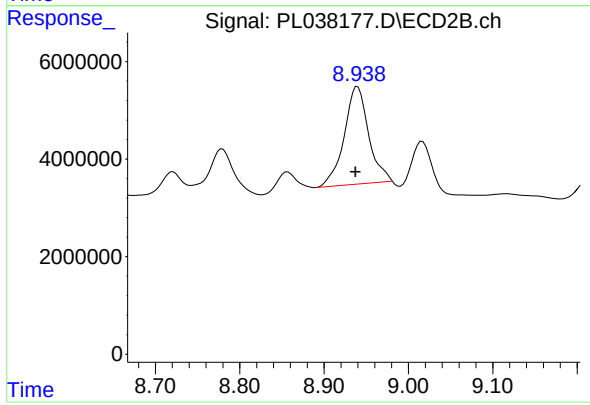
R.T.: 8.003 min

Delta R.T.: 0.000 min

Response: 117077727

Conc: 15.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 8.940 min

Delta R.T.: 0.002 min

Response: 40421613

Conc: 16.54 ng/ml